

Converting Colors

CIELCh(83, 75.126, 138.112)

Have a look what the booklet for
CIELCh(83, 75.126, 138.112)
contains.

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Color

CIELCh(83, 75.030, 138.170)

Conversions

Conversions Part 1

Format	Color
Hex	76E76B
RGB	118, 231, 107
RGB Percent	46%, 91%, 42%
CMY	0.5367, 0.0935, 0.5798
CMYK	0.49, 0.00, 0.54, 0.09
HSL	115°, 72%, 66%
HSV	115°, 54%, 91%
XYZ	38.7711, 62.1629, 23.9032
YIQ	183.0770, -27.5440, -62.5200

Conversions

Conversions Part 2

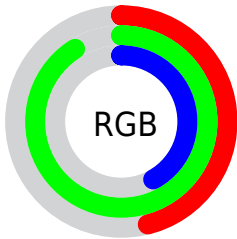
Format	Color
RYB	107, 231, 220
Decimal	7792491
CIELab	83.00, -55.91, 50.04
CIELCh	83, 75.030, 138.170
Yxy	62.1629, 0.3106, 0.4980
Android (android.graphics.Color)	4285982571 (0xFF76E76B)
YUV	183.0770, -37.5060, -57.0725
Hunter-Lab	78.8435, -50.1991, 37.2153

Details

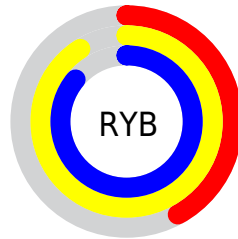
The CIELCh color **83, 75.030, 138.170** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **63, 75.242, 324.489**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **93, 55.598, 137.559**, and **63, 74.967, 138.197** is the 20% darker color. If you saturate the color by 10%, you get **82, 86.824, 137.276**, and if you desaturate by 10%, it is **84, 61.992, 139.063**.

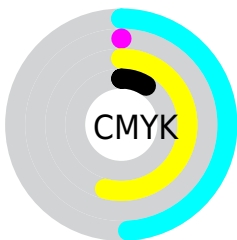
Distribution



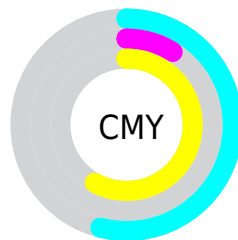
- Red (46%)
- Green (91%)
- Blue (42%)



- Red (42%)
- Yellow (91%)
- Blue (86%)



- Cyan (49%)
- Magenta (0%)
- Yellow (54%)
- Black (9%)





- Cyan (54%)
- Magenta (9%)
- Yellow (58%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 83, 75.030, 138.170 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 83, 75.030, 138.170 by changing the saturation by 10% instead.


 83, 75.030,
138.170


 83, 75.030,
138.170


 100, 75.030,
138.170


 73, 75.030,
138.170

 63, 75.030,
138.170

 53, 75.030,
138.170

 43, 75.030,
138.170

 33, 75.030,
138.170

 23, 75.030,
138.170

 13, 75.030,

138.170

■ 3, 75.030, 138.170

■ 0, 75.030, 138.170

■ 83, 75.030,
138.170

■ 83, 75.030,
138.170

■ 82, 86.824,
137.276

■ 84, 61.992,
139.063

■ 81, 96.805,
136.480

■ 86, 48.168,
139.896

■ 81, 104.361,
135.919

■ 87, 33.922,
140.643

■ 81, 109.039,
135.708

■ 89, 19.525,
141.299

■ 80, 110.713,

■ 91, 5.182, 141.896

135.692

■ 93, 8.964, 322.293

■ 94, 14.894,
324.938

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



83, 75.030, 138.170



63, 75.242, 324.489

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83, 75.030, 138.170



83, 75.030, 188.170



83, 75.030, 318.170



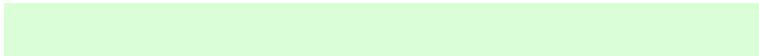
83, 75.030, 8.170

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



83, 75.031, 138.171



97, 24.810, 141.147



86, 56.488, 100.063



51, 16.762, 141.014



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



83, 75.031, 138.171



90, 94.334, 137.216



83, 57.325, 153.071



47, 8.058, 141.551



63, 91.138, 135.608



17, 35.976, 137.302

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



63, 75.242, 324.489



65, 94.138, 324.797



62, 58.731, 343.717



45, 8.083, 322.475



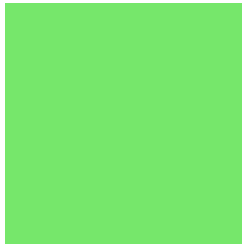
40, 88.929, 324.789



8, 37.227, 325.293

Previews

White Background



This preview shows how the CIELCh color 83, 75.030, 138.170 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 83, 75.030, 138.170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

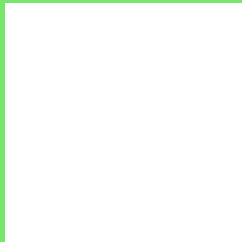
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 83, 75.030, 138.170

Background



This preview shows how black text looks on a background with the CIELCh color 83, 75.030, 138.170.

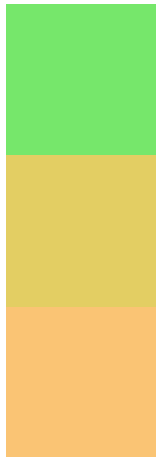


This preview shows how white text looks on a background with the CIELCh color 83, 75.030, 138.170.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
83, 75.030, 138.170

Protanopia
83, 55.265, 95.962

Deuteranopia
82, 48.254, 77.830



Tritanopia
83, 24.240, 221.327

Trichromacy



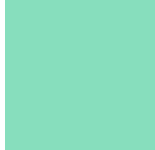
Original Color
83, 75.030, 138.170



Protanomaly
82, 58.176, 116.638



Deuteranomaly
81, 49.270, 109.182

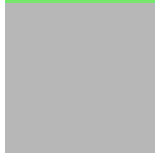


Tritanomaly
82, 34.580, 166.655

Monochromacy



Original Color
83, 75.030, 138.170



Achromatopsia
74, 0.009, 296.813



Achromatomaly
77, 29.318, 140.758

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 83, 75.030, 138.170 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(118, 231, 107)` looks like.

```
.text, #text, p{  
    color:rgb(118, 231, 107)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(118, 231, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 231, 107) }
```

Border

The CSS property to change the border of an element to CIELCh 83, 75.030, 138.170 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(118, 231, 107) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(118, 231, 107) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(118, 231, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 231, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 231, 107);  
box-shadow:4px 4px 4px 4px rgb(118, 231,  
107) }
```

Background

The CSS property to change the background color of an element to CIELCh 83, 75.030, 138.170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 231, 107) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(118,  
231, 107) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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